WHAT IS CLAIMED IS:

1.   A printing apparatus comprising:

instruction means for issuing a print cancel instruction;

5   notification means for, in response to the print cancel instruction by said instruction means, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of print data and to output predetermined data; and

10   processing means for, after issuance of the print cancel instruction by said instruction means, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print cancellation by said notification

15   means, is inputted.

2.   The printing apparatus according to claim 1, wherein said predetermined data indicates end of print job.

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3.   The printing apparatus according to claim 1, wherein said predetermined data includes an end mark.

4.   The printing apparatus according to claim 1,

25   further comprising print means for performing printing based on the print data inputted from said higher-order apparatus.

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5.   The printing apparatus according to claim 1,

wherein communication with said higher-order apparatus

is made by packet communication, and wherein said

5   notification means notifies said higher-order apparatus

of the print cancellation, to cause said higher-order

apparatus to output dummy data for adjustment of packet

data length and to output a packet including

predetermined data, in response to the print cancel

10   instruction by said instruction means.

6.   The printing apparatus according to claim 1,

further comprising means for printing information on the

print cancellation on a recording medium on which an

15   image is printed based on print data.

7.   The printing apparatus according to claim 1,

wherein said predetermined data includes a control code

indicating end of print job.

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8.   The printing apparatus according to claim 1,

wherein after the issuance of the print cancel

instruction by said instruction means, said processing

means causes paper discharge, inputs the print data from

25   said higher-order apparatus , and deletes the print data

until the predetermined data, outputted from said

higher-order apparatus in response to the notification

of print cancellation by said notification means, is
inputted.

9.   A printing system having a higher-order apparatus
and a printing apparatus,

wherein said printing apparatus having:
instruction means for issuing a print cancel
instruction; notification means for, in response to the
print cancel instruction by said instruction means,
notifying a higher-order apparatus of print
cancellation; and processing means for, after issuance
of the print cancel instruction by said instruction
means, deleting the print data until predetermined data
outputted by said higher-order apparatus is inputted,

wherein said higher-order apparatus having means
for, in response to a notification of print cancellation
by said notification means, stopping generation of print
data, and outputting the predetermined data.

10.   The printing system according to claim 9, wherein
said predetermined data indicates end of print job.

11.   The printing system according to claim 9, wherein
said predetermined data includes an end mark.

12.   The printing system according to claim 9, wherein
said printing apparatus has print means for performing

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printing based on the print data inputted from said higher-order apparatus .

13.   The printing system according to claim 9, wherein communication with said higher-order apparatus is made by packet communication, and wherein said notification means notifies said higher-order apparatus of print cancellation, to cause said higher-order apparatus to output dummy data for adjustment of packet data length and to output a packet including predetermined data in response to the print cancel instruction by said instruction means.

14.   The printing system according to claim 9, further comprising means for printing information on the print cancellation on a recording medium on which an image is printed based on print data.

15.   The printing system according to claim 9, wherein said predetermined data includes a control code indicating end of print job.

16.   The printing system according to claim 9, wherein after the issuance of the print cancel instruction by said instruction means, said processing means causes paper discharge, inputs the print data from said higher-order apparatus , and deletes the print data until the

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predetermined data, outputted from said higher-order

apparatus in response to the notification of print

cancellation by said notification means, is inputted.

5   17.   A printing cancellation method comprising:

a determination step of determining whether or not

a print cancel instruction has been inputted during

printing based on print data;

a notification step of, if it is determined at

10   said determination step that the print cancel

instruction has been inputted, notifying a higher-order

apparatus of print cancellation, to cause said higher-

order apparatus to stop generation of the print data and

to output predetermined data; and

15   a processing step of, after input of the print

cancel instruction, deleting the print data until the

predetermined data, outputted by said higher-order

apparatus in response to a notification of print

cancellation at said notification step, is inputted.

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18.   The printing cancellation method according to

claim 17, wherein said predetermined data indicates end

of print job.

25   19.   The printing cancellation method according to

claim 17, wherein said predetermined data includes an

end mark.

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20.   The printing cancellation method according to
claim 17, further comprising a print step of performing
printing based on the print data inputted from said
5   higher-order apparatus .

21.   The printing cancellation method according to
claim 17, wherein communication with said higher-order
apparatus is made by packet communication, and wherein
10   at said notification step, said higher-order apparatus
is notified of print cancellation, thereby caused to
output dummy data for adjustment of packet data length
and to output a packet including predetermined data, in
response to the print cancel instruction at said
15   instruction step.

22.   The printing cancellation method according to
claim 17, further comprising the step of printing
information on the print cancellation on a recording
20   medium on which an image is printed based on print data.

23.   The printing cancellation method according to
claim 17, wherein said predetermined data includes a
control code indicating end of print job.
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24.   The printing cancellation method according to
claim 17, wherein at said processing step, after the

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input of the print cancel instruction at said

instruction step, paper discharge is caused, the print

data is inputted from said higher-order apparatus , and

the print data is deleted until the predetermined data,

5   outputted from said higher-order apparatus in response

to the notification of print cancellation at said

notification step, is inputted.

25.   A storage medium holding a program having:

10   a determination step of determining whether or not

a print cancel instruction has been inputted during

printing based on print data;

a notification step of, if it is determined at

said determination step that the print cancel

15   instruction has been inputted, notifying a higher-order

apparatus of print cancellation, to cause said higher-

order apparatus to stop generation of the print data and

to output predetermined data; and

a processing step of, after input of the print

20   cancel instruction, deleting the print data until the

predetermined data, outputted by said higher-order

apparatus in response to a notification of print

cancellation at said notification step, is inputted.

25   26.   The storage medium according to claim 25, wherein

said predetermined data indicates end of print job.

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27.   The storage medium according to claim 25, wherein said predetermined data includes an end mark.

28.   The storage medium according to claim 25, wherein said program further having the step of performing printing based on the print data inputted from said higher-order apparatus.

29.   The storage medium according to claim 25, wherein communication with said higher-order apparatus is made by packet communication, and wherein at said notification step, said higher-order apparatus is notified of print cancellation, thereby caused to output dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction at said instruction step.

30.   The storage medium according to claim 25, wherein said program further comprising the step of printing information on the print cancellation on a recording medium on which an image is printed based on print data.

31.   The storage medium according to claim 25, wherein said predetermined data includes a control code indicating end of print job.

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32.   The storage medium according to claim 25, wherein after the input of print cancel instruction at said instruction step, at said processing step, paper discharge is caused, the print data is inputted from said higher-order apparatus , and the print data is deleted until the predetermined data, outputted from said higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

33.   A program having:

a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

a notification step of, if it is determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of the print data and to output predetermined data; and

a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

34.   The program according to claim 33, wherein said

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predetermined data indicates end of print job.

35.   The program according to claim 33, wherein said predetermined data includes an end mark.

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36.   ˙The program according to claim 33, further having a print step of performing printing based on the print data inputted from said higher-order apparatus .

10   37.   The program according to claim 33, wherein communication with said higher-order apparatus is made by packet communication, and wherein at said notification step, said higher-order apparatus is notified of print cancellation, thereby caused to output

15   dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction at said instruction step.

20   38.   The program according to claim 33, further having the step of printing information on the print cancellation on a recording medium on which an image is printed based on print data.

25   39.   The program according to claim 33, wherein said predetermined data includes a control code indicating end of print job.

40.   The program according to claim 33, wherein after

the input of print cancel instruction at said

instruction step, at said processing step, paper

5   discharge is caused, the print data is inputted from

said higher-order apparatus , and the print data is

deleted until the predetermined data, outputted from

said higher-order apparatus in response to the

notification of print cancellation at said notification

10   step, is inputted.

41.   An information processing apparatus comprising:

determination means for, when print data is

generated and transferred to a printing apparatus,

15   determining whether or not a notification of print

cancellation has been received from the printing

apparatus; and

transfer means for, if said determination means

determines that the notification of print cancellation

20   has been received, stopping generation of the print data,

and transferring predetermined data indicating a break

of the print data, deleted after issuance of the

notification of print cancellation from the printing

apparatus, to the printing apparatus.

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42.   An information processing method comprising:

a determination step of, when print data is

generated and transferred to a printing apparatus,

determining whether or not a notification of print

cancellation has been received from the printing

apparatus; and

5   a transfer step of, if it is determined at said

determination step that the notification of print

cancellation has been received, stopping generation of

the print data, and transferring predetermined data

indicating a break of the print data, deleted after

10   issuance of the notification of print cancellation from

the printing apparatus, to the printing apparatus.

43.   A printing processing program having:

a determination step of, when print data is

15   generated and transferred to a printing apparatus,

determining whether or not a notification of print

cancellation has been received from the printing

apparatus; and

a transfer step of, if it is determined at said

20   determination step that the notification of print

cancellation has been received, stopping generation of

the print data, and transferring predetermined data

indicating a break of the print data, deleted after

issuance of the notification of print cancellation from

25   the printing apparatus, to the printing apparatus.

44.   A storage medium holding a printing processing

program having:

a determination step of, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print

5 cancellation has been received from the printing apparatus; and

a transfer step of, if it is determined at said determination step that the notification of print cancellation has been received, stopping generation of

10 the print data, and transferring predetermined data indicating a break of the print data, deleted after issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

15 45. The printing apparatus according to claim 1, wherein said higher-order apparatus transmits the print data before a break of command and then outputs said predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction

20 by said instruction means.

46. The printing system according to claim 9, wherein said higher-order apparatus transmits the print data before a break of command and then outputs said

25 predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction by said instruction means.

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47.   The printing cancellation method according to
claim 17, wherein said higher-order apparatus transmits
the print data before a break of command and then
outputs said predetermined data to said printing
apparatus, in response to the issuance of the print
cancel instruction.

48.   The storage medium according to claim 25, wherein
said higher-order apparatus transmits the print data
before a break of command and then outputs said
predetermined data to said printing apparatus, in
response to the issuance of the print cancel instruction.

49.   The program according to claim 33, wherein said
higher-order apparatus transmits the print data before a
break of command and then outputs said predetermined
data to said printing apparatus, in response to the
issuance of the print cancel instruction.

50.   The information processing apparatus according to
claim 41, wherein if said determination means determines
that the notification of print cancellation has been
received, said transfer means transmits the print data
before the break of command, and then outputs said
predetermined data to said printing apparatus.

51.   The information processing method according to
claim 42, wherein if it is determined at said
determination step that the notification of print
cancellation has been received, the print data before
5   the break of command is transmitted and then said
predetermined data is outputted to said printing
apparatus at said transfer step.

52.   The printing processing program according to claim
10   43, wherein if it is determined at said determination
step that the notification of print cancellation has
been received, the print data before the break of
command is transmitted and then said predetermined data
is outputted to said printing apparatus at said transfer
15   step.

53.   The printing processing program according to claim
44, wherein if it is determined at said determination
step that the notification of print cancellation has
20   been received, the print data before the break of
command is transmitted and then said predetermined data
is outputted to said printing apparatus at said transfer
step.

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